INSPECTION AND MAINTENANCE CHECKLIST

OP4013-1 REV 2-05 NETWORK TRANSFORMER MAINTENANCE REPORT For use with NU Preventive Maintenance Manual section U1

1. PHYSICAL STRUCTURE

THE THEORY IS STORED											
A. Structure Type	or Address # if	Street			E. Town						
PullBox SvcBox HEX	Customer Vault D. N	Nearest I	ntersecti	on	F. State G	S. AWC	H. C	CCC			
I. Cover Type	1. Round Squa	re R	ectangle	2. Vented Solid	3. Width in. x Length			in.			
J. Neck Opening & Depth in inches	Opening Diameter_		in	Depth of Neckin							
L. Structure dimensions in feet & inches	1. Widthft_		in	2. Lengthftin	ftin 3. Heightft_						
M. Structure Construction Type 1. Concrete Precast Brid	N. Vault	Building	Enclo	osure Roof Sidewalk Alley	Other						
2. STRAY VOLTAGE TEST (For guidance refer to Work Practice M4-WP-3038)											
A. Test Performed: No Yes 1. Voltage Present: No Yes 2. Voltage found: Volts 3. Corrected: No Yes											
3. WATER / SLUDGE CONDITIONS No water, does not apply (For guidance refer to TD223)											
A. Unusual Odor: No Yes	D. Pumping required: No Yes										
E. Water Heightftin	F. Sludge Heightf	Date//									
4. INSPECTION PURPOSE											
A. Maintenance Inspection Major Inspection Factory Test Install Inspection & Test Special Load Reading & Inspection											
5. CABLE/CONNECTIONS (For guidance refer to NUMP U2,U3,U4,U6)											
MAINTENANCE REQUIRED			YES	IF YES, EXPLAIN IN COMM		NO	YES				
A. Primary Cable, (Splice, Tracking, c	or Support)			B. Asbestos Arc-Proofing present in							
C. PILC present in Structure (identify by Circuit)				D. Leaking Potheads							
E. Secondary Cable				F. Leaking Termination (Stuffing) Bo	king Termination (Stuffing) Box						
G. Asbestos or Varnished Cambric on Secondary				H. Sec. Network take Amp Readings	Amp Readings (Limiters blown)						
I. Faulty Electrical Ground Connections				J. Does Network Main have limiter							
K. Secondary Bus No Yes	1. Covered Uncov	ered _] 2. M	aintenance Required No Yes	Ring _	No 🗌] Yes				
6. DRAWINGS/MAPS (For gu	iidance refer to Wor	k Prac	tice M4	-WP-3013)							
VERIFICATION REQUIRED			YES	IF NO, REDLINE CORRECTIONS C MAPS AND DRAWINGS	ND	NO	YES				
A. Structure correctly located on Underground Map to the street or field location and North Arrow correctly oriented				B. Duct Banks, Windows and Knock	Vindows and Knock-outs drawn correctly						
C. Occupied, Vacant & Plugged Ducts drawn correctly				D. Primary Circuits Cables drawn in	correct ducts						
E. Switches, Splices & other devices drawn correctly				F. Transformer Wiring drawn correct	у						
G. Cables with Asbestos identified by Circuit or Secondary				H. Crabs, Limiters, Bus Bars, etc. dra	awn correctly						
I. Secondary & Service Cables drawn in correct ducts				J. Sump, Pump, Drain drawn correct	Orain drawn correctly						
K. Take Photographs of Structure Walls, Floor, Ceiling, and Equipment North East South West Floor Ceiling Equipment Were Infrared Pictures Taken No Yes (For guidance refer to Work Practice M4-WP-3013)											
7. STRUCTURE CONDITION (For guidance refer to Work Practice M4-WP-3013)											
MAINTENANCE REQUIRED			YES	IF YES, EXPLAIN IN COMMENTS E TAKE PHOTOGRAPHS OF DEFECT	ES, EXPLAIN IN COMMENTS BELOW AND E PHOTOGRAPHS OF DEFECTS						
A. Frame broken or Grating hinges broken				B. Beams exposed or corroded							
C. Ducts dropped / damaged				D. Roof deteriorating (spalling, flaking) / cracked							
E. Slabs defective / concrete deteriorated				F. Walls or Floor deteriorating (spalli	/alls or Floor deteriorating (spalling, flaking) / cracked						
F. Pulling eyes present in structure				H. Pulling eyes bent / corroded							
I. Sump, Pump, Drain None				J. Debris or Obstructions							

NETWORK TRANSFORMER MAINTENANCE REPORT

8. NETWORK TI	RANSFO					efer to	NUMP	U1) (Use form				ork Tra		
TRANSFORMER H.V. CO		NN L.V. CONN			TYPE OF COOLING			MANUFACTURER			SERIAL#			
		SE RATING KVA RAT		ING		TEMP. RISE @ KVA		% II	IMPEDANCE @ KVA		A TYPE OF OIL		IL	
CIRCUIT#	HV TAPS A		'S AVAILABLE						F	RESEN' SETTING			OIL L	.EVEL
SYSTEM VOLTS =	SYSTEM VOLTS = PCB Tag Pr		g Present:	No 🗌 Yes	1. If YES	S, is oil	≥ 50 p	pm PCB: No	Ye:	s 2. No	on- PCB [Oi	l Sample Tal	ken 🗌
H.V. TERMINAL CABLE EN		NTRANCE I Bottom		INSULAT	INSULATION OF CHAMBER		BER	RATED CABLE VOLT		LE VOLTA			KV	
H.V. SWITCH		NUMBER 3 PC	R OF POSITIONS OS 2 PO				OIL LEVEL			ED SWI	TCH VOLT		KV	
		РСВ Та	PCB Tag Present: No		Yes 1. If YES, is		≥ 50 p	pm PCB: No	Ye:	Yes 2. Non- PCB Oil Sample Taken				
PROTECTOR		MANUFA	ACTURER MANU		ACTURER TYPE		CONT. AMP RATING		RAT	RATED VOLTS			ERIAL#	
□ DUSTPROOF F		FUSE ST	FUSE STYLE NO.		MASTER RELAY TYPE		PHASING RELAY TYPE		OPE	OPERATING MECH. NO.				
☐ SUBMERSIE														
9. MAINTENANCE CHECKLIST / GENERAL MECHANICAL AND ELECTRICAL GASKETS FUSES SPRINGS BARRIERS OVERHEATING SHUNT TRIP LOOSE PROTECTOR RESISTOR CONTACTS CONTACTS OVERHEATING SHUNT TRIP CONNECTION MECH. OPERATION 10. DATA COLLECTION INSTRUCTIONS:														
ENTER AS DATA IN UPPER BOX			(AS FOUND DATA)		TIME C		F DAY	AMBIENT	TEMP	PROTECTOR COUNTER				
ENTER AS DATA	N IN LOWE	R BOX	(AS LEF	T DATA)						C	JUNIER			
			RY AMPS				PF	RIMARY SWITC				TECTOR SWITCH POSITION		
PHASE	1-G	-G-A 2-R-B			3-W-C] CLOSE	_			I □ CLOSED UTOMATIC	
LEG 1 LEG 2								□ОР	EN				TOWATIC	
LEG 2										DEI	AYS			
LEG 4								MACT			AIS			V
LEG 5							MASTER RELA' OVER VOLTAGE CL MASTER RELA'						V	
LEG 6										ELAY			A	
TOTAL								REVERSE-	CURRE	NT TRI	D			Α
DEMAND MAXIMUM						PHASING RELAY				V				
DEMAND PRESENT							OVER – V							
DEVICE	DDECC	LIDEC						OIL						
DEVICE PRESS		OIL DIELECTRI		RIC	IC LEVEL		COLOR				10 7		EMBER A TU	
			877 1816		LEVEL				NEUT. NO.			TEMPERATURE ° C PEAK		
TRANSFORMER		PSI KV										° C PRESENT		
PRIMARY SWITCH		PSI										OTTL	OLIVI	
		PSI												
PROTECTOR		PSI PSI		•		,								
BUSS/PROTECTOR OPEN BUSS/PROTECTOR CLOSED TRANSFORMER/									R/PRC	TECTOR O	PEN			
VOLTAGE			3-W-C	-		2-R-B 3-W-C			1		-R-B 3-W-C			
Ø TO GROUND														
Comments	1	<u> </u>	L	ı				L	1		L		L	
Inspected by:						Dat	Α.			1//	ork Orde	r Num	her	
mopooled by.						Dat				**	ork Orde	. INUIII	001	